

Amendments To the Abstract

Please replace the Abstract with following amended Abstract:

Abstract of the Disclosure

~~The invention relates to the field of chemistry and relates to radically~~ Radically coupled PTFE polymer powders ~~that can be used~~ useful, for example, as tribomaterials, and a method for the production thereof. ~~The object of the invention is to disclose radically~~ Radically coupled PTFE polymer powders are provided which, when incorporated into a matrix as PTFE polymer compound, exhibit improved wear resistances, and furthermore there is provided a simple and efficient method for the production thereof. ~~The object is attained through radically~~ Radically coupled PTFE polymer powders are provided comprising radiation-chemically and/or plasma-chemically modified PTFE powders, onto the particle surface of which homopolymers, copolymers or terpolymers are radically coupled via a reaction in dispersion or in substance. ~~The object is further attained through a~~ A method is provided in which PTFE powders with reactive perfluoroalkyl-(peroxy) radical centers after a radiation-chemical and/or plasma-chemical modification are reacted in dispersion or in substance with the addition of polymerizable, olefinically unsaturated monomers, whereby during the reaction a polymer-forming reaction is obtained.